

# **Hyperspectral Characterization of *Spartina alterniflora* Patches.**

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## **ABSTRACT**

The objective of this investigation is to examine the spectral characteristics of *Spartina alterniflora* patches. Specifically, we explore the spectral variability of vegetative patches associated with landscape position in a barrier island-lagoon complex using airborne hyperspectral sensors and ground based spectral measurements. Employing landscape metrics, such as Core Area Index, Shape, and Square Pixel, among others, we examine, at each location, the spectral variability from each patch, relative to the entire class of observations.